

TABLE 8-continued

| List of Genes Responsive to T1 and T2 |             |               |            |             |   |
|---------------------------------------|-------------|---------------|------------|-------------|---|
| ProbeName                             | Fold change | Comparison    | Regulation | Gene Symbol | Description   |
| A_84_P839984                          | 1.62        | T1 vs control | down       | AT1G63580   | protein kinase-related [AT1G63580.1]  |
| A_84_P839984                          | 1.87        | T2 vs control | down       | AT1G63580   | protein kinase-related [AT1G63580.1]  |
| A_84_P844006                          | 3.39        | T1 vs control | down       | AT2G27505   | similar to F-box family protein<br>[Arabidopsis thaliana]<br>(TAIR: AT5G44950.1); contains InterPro domain FBD (InterPro: IPR013596); contains InterPro domain FBD-like (InterPro: IPR006566) [AT2G27505.1] |
| A_84_P844006                          | 5.18        | T2 vs control | down       | AT2G27505   | similar to F-box family protein<br>[Arabidopsis thaliana]<br>(TAIR: AT5G44950.1); contains InterPro domain FBD (InterPro: IPR013596); contains InterPro domain FBD-like (InterPro: IPR006566) [AT2G27505.1] |
| A_84_P849049                          | 2.30        | T1 vs control | down       |             | NM_113740 PMZ {Arabidopsis thaliana}<br>(exp = -1; wgp = 0; cg = 0), partial (76%) [TC302412]   |
| A_84_P849049                          | 3.70        | T2 vs control | down       |             | NM_113740 PMZ {Arabidopsis thaliana}<br>(exp = -1; wgp = 0; cg = 0), partial (76%) [TC302412]   |
| A_84_P862479                          | 4.27        | T2 vs control | down       |             |   |
| A_84_P862479                          | 4.52        | T1 vs control | down       |             |   |
| A_84_P97916                           | 3.01        | T2 vs control | down       | AT4G29780   | similar to unknown protein [Arabidopsis thaliana] (TAIR: AT5G12010.1); similar to unnamed protein product [Vitis vinifera] (GB: CAO43835.1); contains domain PTHR22930 (PTHR22930) [AT4G29780.1]            |
| A_84_P97916                           | 3.84        | T1 vs control | down       | AT4G29780   | similar to unknown protein [Arabidopsis thaliana] (TAIR: AT5G12010.1); similar to unnamed protein product [Vitis vinifera] (GB: CAO43835.1); contains domain PTHR22930 (PTHR22930) [AT4G29780.1]            |

TABLE 9

| List of 11 Transcription Factor Genes Responsive to T1 and T2 |             |             |               |            |                     |  |
|---|-------------|-------------|---------------|------------|---------------------|--|
| ProbeName   | Fold change | Response to | Comparison    | Regulation | Gene Symbol         | Description  |
| A_84_P13104   | 2.63        | T1 & T2     | T2 vs control | down       | WRKY48              | WRKY48 (WRKY DNA-binding protein 48); transcription factor [AT5G49520.1]   |
| A_84_P13104   | 2.79        | T1 & T2     | T1 vs control | down       | WRKY48              | WRKY48 (WRKY DNA-binding protein 48); transcription factor [AT5G49520.1]   |
| A_84_P14985   | 1.68        | T1 & T2     | T2 vs control | down       | ATERF-2/ATERF2/ERF2 | ATERF-2/ATERF2/ERF2 (ETHYLENE RESPONSE FACTOR 2); DNA binding/transcription activator/transcription factor [AT5G47220.1] |
| A_84_P14985   | 1.70        | T1 & T2     | T1 vs control | down       | ATERF-2/ATERF2/ERF2 | ATERF-2/ATERF2/ERF2 (ETHYLENE RESPONSE FACTOR 2); DNA binding/transcription activator/transcription factor [AT5G47220.1] |
| A_84_P16923   | 2.53        | T1 & T2     | T2 vs control | down       | RHL41               | RHL41 (RESPONSIVE TO HIGH LIGHT 41); nucleic acid binding/transcription factor/zinc ion binding [AT5G59820.1]            |
| A_84_P16923   | 3.06        | T1 & T2     | T1 vs control | down       | RHL41               | RHL41 (RESPONSIVE TO HIGH LIGHT 41); nucleic acid binding/transcription factor/zinc ion binding [AT5G59820.1]            |
| A_84_P17343   | 2.23        | T1 & T2     | T2 vs control | down       | ATERF13/EREBP       | ATERF13/EREBP (ETHYLENE-RESPONSIVE ELEMENT BINDING FACTOR 13); DNA binding/transcription factor [AT2G44840.1]            |
| A_84_P17343   | 4.33        | T1 & T2     | T1 vs control | down       | ATERF13/EREBP       | ATERF13/EREBP (ETHYLENE-RESPONSIVE ELEMENT BINDING FACTOR 13); DNA binding/transcription factor [AT2G44840.1]            |
| A_84_P19028   | 4.36        | T1 & T2     | T2 vs control | down       | ORA47               | ORA47; DNA binding/transcription factor [AT1G74930.1]  |
| A_84_P19028   | 6.17        | T1 & T2     | T1 vs control | down       | ORA47               | ORA47; DNA binding/transcription factor [AT1G74930.1]  |